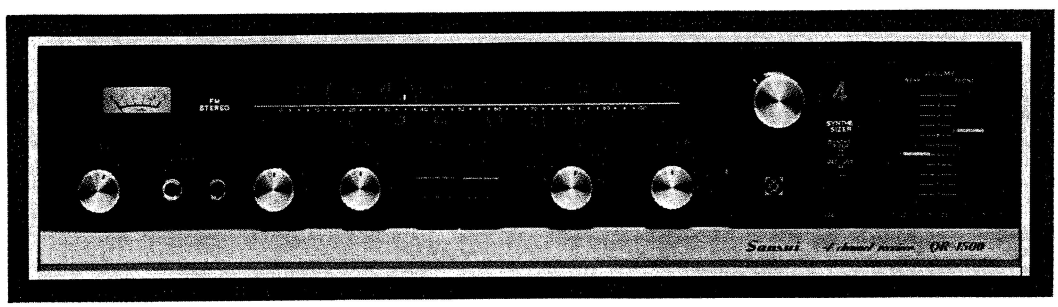
OPERATING INSTRUCTIONS & SERVICE MANUAL

4-CHANNEL RECEIVER

SANSUI QR-1500



Sansui

SANSUI ELECTRIC CO., LTD.

Congratulations on joining the thousands of proud, satisfied owners of quality stereo components from Sansui.

The Sansui QR-1500 4-channel receiver incorporates Sansui's unique QS Synthesizing/Decoding matrix (patents pending) that produces a multi-dimensional sound field so enthusiastically received by many audio experts as purely 'revolutionary'. An instrument that literally heralds the new age of 4-channel stereo sound reproduction, the QR-1500 not only converts ordinary 2-channel stereo discs, tapes and FM broadcasts into immensely richer 4-channel stereo sound, but, working in the capacity of a decoder, restores any 2-channel material encoded from four channels to its original full-fledged 4-channel status. It also incorporates the four all-silicon amplifiers which enable you to use a 4-channel tape machine to reproduce discrete 4-channel stereo.

To enjoy dynamic life-like 4-channel stereo sound at its best, you should be well acquainted not only with the operation of the various controls of the QR-1500, but with such matters as the proper positioning of speaker systems. Read carefully the instructions contained in this booklet, and you will be better prepared to take full advantage of the advanced performance capabilities of this new instrument for years to come.

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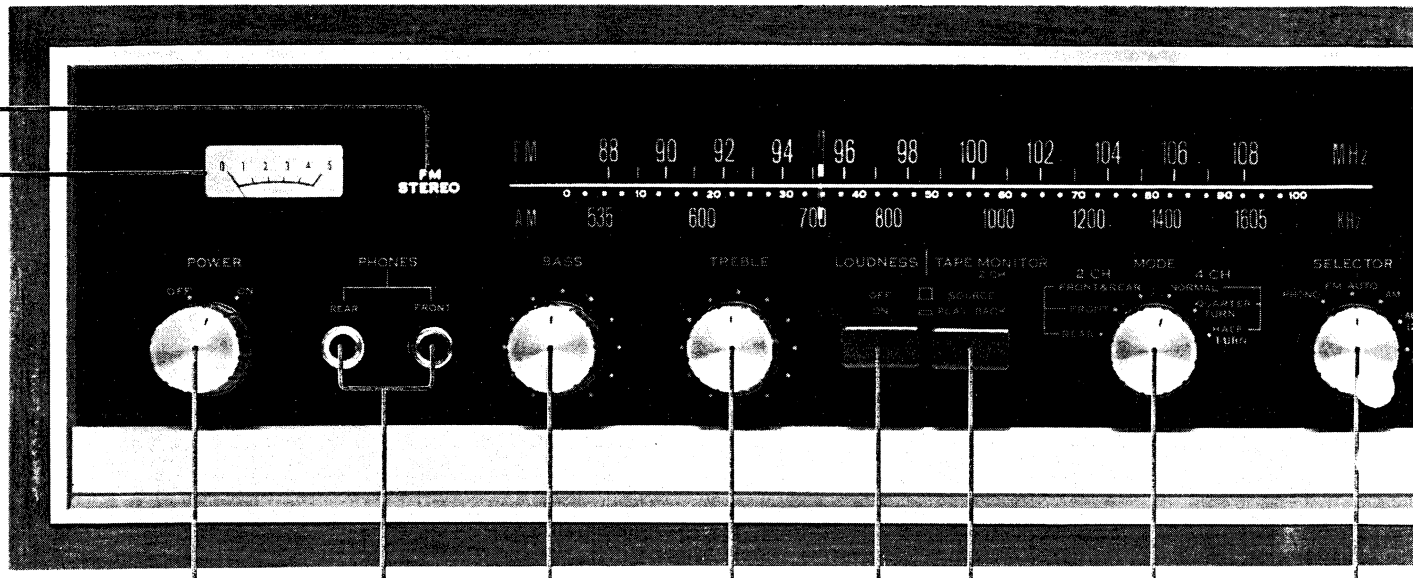
VOLUME
REAR
FRONT
4
Sansui

SWITCHES AND CONTROLS



Power Switch

The receiver is turned on when the POWER switch is turned to the ON or right position.

Tuning Meter

This meter aids in pinpointing a station. The station is perfectly tuned when the needle swings as far to the right as possible.

FM Stereo Indicator

This indicator glows when the dial pointer crosses a station making an FM stereo broadcast. It remains lit during the stereo reception.

Headphones Jacks

Plug headphones into these jacks for monitoring or private listening. And all speakers connected to the QR-1500 will be automatically cut off. When the MODE switch is in the NORMAL position, you can hear the front sound from the right jack and the rear sound from the left jack.

Loudness Switch

When the LOUDNESS switch is depressed at low volumes, it provides the correct amount of bass and treble boost required to compensate for the tendency of the human ear to lose these frequencies at low listening levels.

Tape Monitor Switch

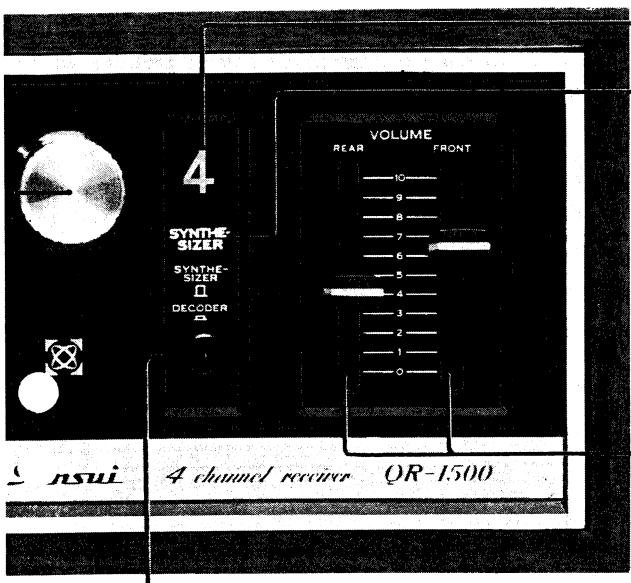
When this switch is once depressed, the receiver is set to play the sound from the playback head of the 2-channel tape deck connected to the 2-CH TAPE jacks on the rear panel of the receiver. Tape monitoring is possible only with a tape deck having separate record and playback heads. Except for such playback or monitoring, this switch must be in the SOURCE position.

Treble Control

The TREBLE control adjusts the intensity of the treble tones of the front speakers simultaneously.

Bass Control

The BASS control adjusts the intensity of the bass tones of the front speakers simultaneously.



Digital Indicator

The numeral '2' or '4' appears depending on whether the MODE switch is set to the 2CH or 4CH position.

Synthesizer Indicator

The SYNTHESIZER indicator is illuminated when the MODE switch is set to the 4CH position and the SYNTHESIZER/DECODER switch is set to the SYNTHESIZER position (■). It is not lit while the SELECTOR switch is in the AUX (4CH) position.

Volume Controls

The FRONT VOLUME conttrol adjusts the total volume of sound from the two front speakers, the REAR VOLUME control the two rear speakers. These controls are also used to adjust the balance of the front and rear speakers.

Synthesizer/Decoder Switch

■—Use this position to convert any ordinary 2-channel stereo source into 4-channels. To have the live listening experience in a concert hall, the 'Front 2-2 System' of speaker position is more effective (see page 7).

■—With the switch in this position, the original 4-channel material which has been encoded into two channels at the recording or broadcast end is recovered for 4-channel playback. The '2-2 system' of speaker position (see page 7) is more effective to re-create a hall-ambience around the listener. It also works well with ordinary two-channel materials of pop, rock, mood music, Moog sound, etc.

Selector Switch

PHONO—Selects a turntable connected to the PHONO inputs on the rear panel of the receiver.
FM AUTO—Selects FM programs.
AM—Selects AM programs.
AUX (2CH)—Selects the output of a component connected to the 2CH AUX jacks on the rear of the receiver.
AUX (4CH)—Selects the output of a component, such as a 4-channel tape deck, etc., connected to the 4CH AUX jacks on the rear of the receiver.

Tuning Knob

Mode Switch

2 CH—The 2 CH position of the MODE switch connects the front sound to both or either of the front and/or rear speakers :

REAR—Connects the front sound to the rear speakers.

FRONT—Connects the front sound to the front speakers.

FRONT & REAR—Connects the front sound to both front and rear speakers.

4 CH—To enjoy the 4-channel stereo sound, set the MODE switch to :

NORMAL—For normal 4-channel stereo programs.

QUARTER TURN—This position is used to turn around sound by 90 degrees. The front left and right sound will be heard from the front and rear right speakers, and the rear left and right sound from the front and rear left speakers.

HALF TURN—To turn around sound by 180 degrees; so that the front sound will be heard from the rear speakers, and the rear sound from the front speakers.

TAPE DECKS/PLACEMENT OF SPEAKERS

Connecting Tape Decks

2-Channel Tape Deck

There are two types of receptacles for connection of a 2-channel tape deck on the rear panel of the QR-1500: one is for pin plugs and the other for the DIN plug.

To connect your tape deck to the pin jacks:

1. Connect the left channel output of the tape deck to the left channel jack marked 2CH TAPE PLAYBACK, and the right channel output of the deck to the right channel jack marked 2CH TAPE PLAYBACK.

2. Connect the left channel input of the tape deck to the left channel jack marked 2CH TAPE SOURCE and the right channel input of the deck to the right channel jack marked 2CH TAPE SOURCE.

If you want to use the DIN connecting cord, just insert the DIN plug into the receptacle marked 2CH TAPE RECORDER on the rear panel of the QR-1500.

4-Channel Tape Deck

The QR-1500 is also provided with playback jacks for a 4-channel tape deck (not provided with recording jacks). Connect the outputs of the tape deck to the jacks marked 4CH AUX on the rear of the QR-1500. Be sure connect the right and left, front and rear channels correctly as shown on page 8. The 4CH AUX input jacks, of course, can accept other components than the 4-channel tape deck.

Operating Tape Decks

Recording with a 2-Channel Tape Deck

1. Set the SELECTOR switch to the program source (PHONO, FM AUTO, AUX (2CH) or AM) to be recorded.

2. Start the tape deck in the recording mode.

3. Make appropriate settings of controls on the tape deck. The recording is not affected by the controls of the QR-1500.

4. Set the TAPE MONITOR switch of the QR-1500 to PLAYBACK if you want to monitor the recording with the tape deck having separate heads for recording and playback.

Listening to Tapes with a 2-Channel Tape Deck

1. Depress the TAPE MONITOR switch to the PLAYBACK position.

2. Start the tape deck in the playback mode.

3. Adjust the VOLUME controls of the QR-1500 for the desired volume of sound from the speakers and for the desired balance of the front and rear speakers.

4. Use the BASS and TREBLE controls of the QR-1500 according to your preference or the room acoustics.

Listening to Tapes with a 4-Channel Tape Deck

1. Turn the SELECTOR switch to AUX (4CH).

2. Start the tape deck in the playback mode.

3. Adjust the VOLUME controls of the desired volume of sound from the speakers and for the desired balance of the front and rear speakers.

4. Use the BASS and TREBLE controls of the QR-1500 according to your preference or the room acoustics.

Placement of Speakers

Basically there are two ways to place two pairs of speaker systems in the 4-channel stereo:

2-2 System (Fig. 1)

This is the speaker-in-each-corner placement that is being widely accepted as the standard speaker position for 4-channel stereo. This position permits the listener to enjoy music surrounded by the four speaker systems.

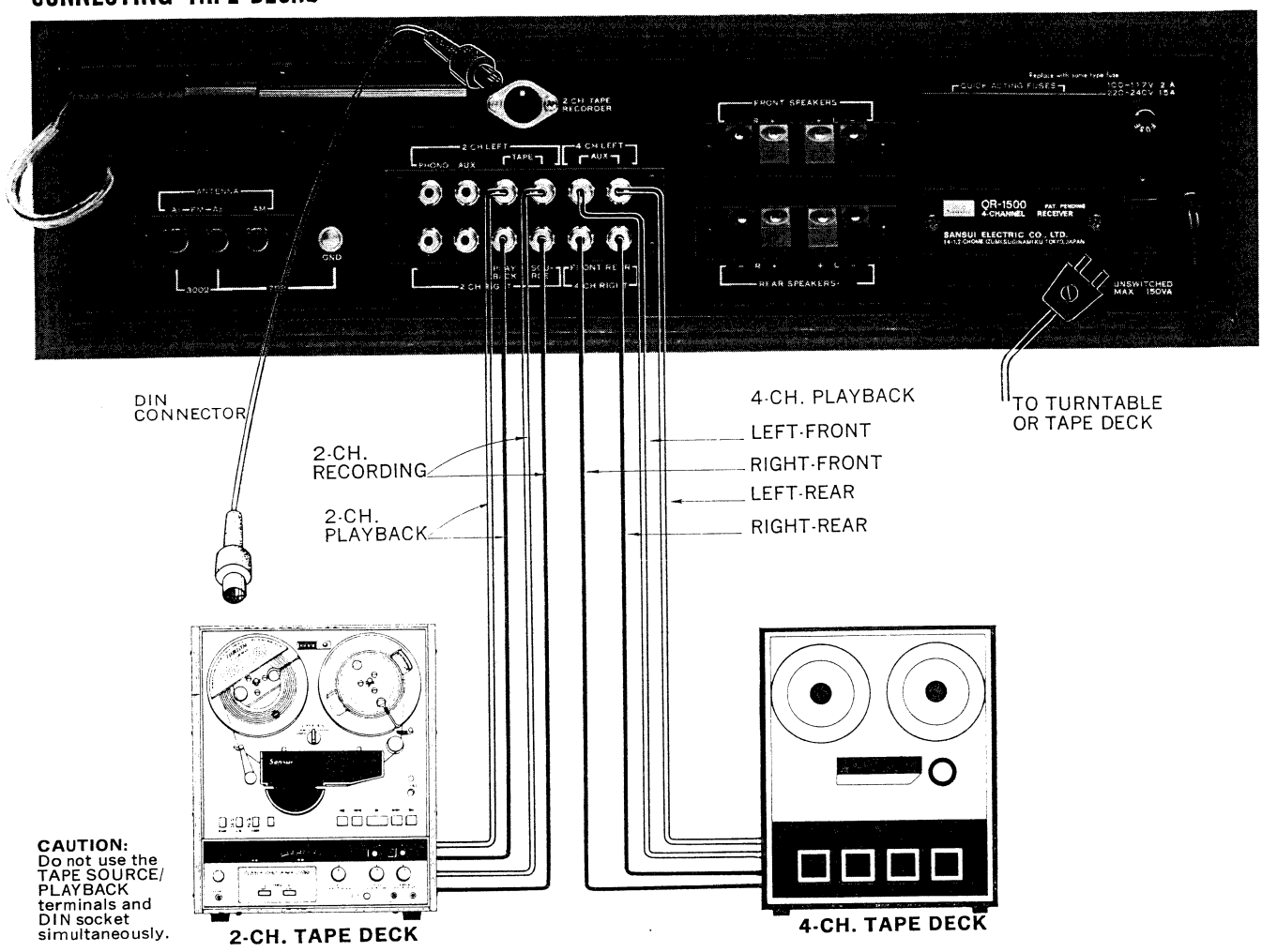
Front 2-2 System (Fig. 2)

This system is designed to create a live sound field in the listening area. The sound field is equivalent to the stage of a concert hall and the listener will have the live listening experience in the hall. With the SYNTHESIZER/DECODER switch in its SYNTHESIZER position, this system is more effective.

Compatible Placement (Fig. 3)

Place the rear speaker systems as shown in Fig. 3, p. 8, and the listener will be able to enjoy both systems in the limited space available. To enjoy the '2-2 system', he should situate himself near point A, and to enjoy the 'front-2-2 system', near point B.

CONNECTING TAPE DECKS



2-CH. TAPE DECK

4-CH. TAPE DECK

CAUTION:
Do not use the TAPE SOURCE/ PLAYBACK terminals and DIN socket simultaneously.

PLACEMENT OF SPEAKERS

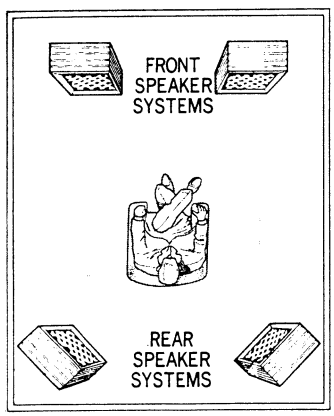


Fig. 1 2-2 SYSTEM

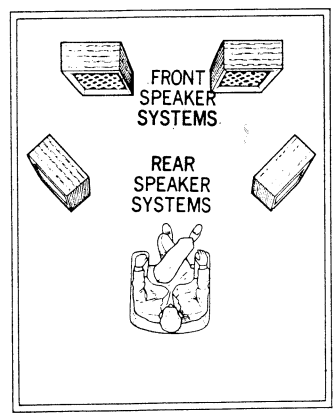


Fig. 2 FRONT 2-2 SYSTEM

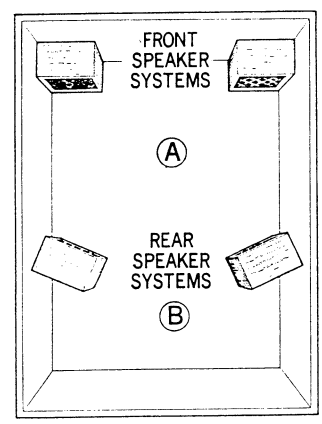


Fig. 3 COMPATIBLE PLACEMENT

SIMPLE MAINTENANCE HINTS

How to Eliminate Radio Noise

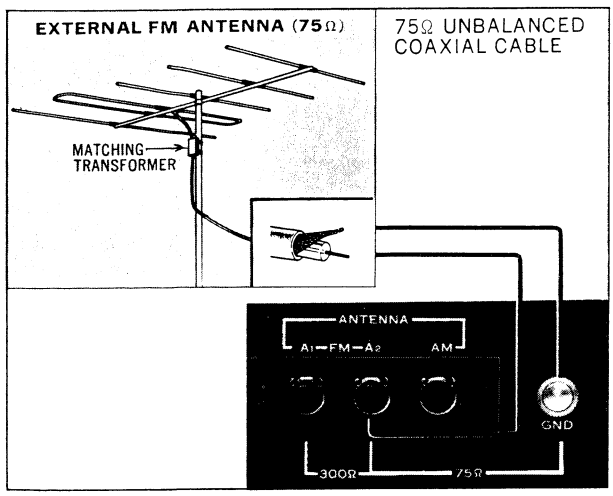
On AM Programs

AM reception noise can often be eliminated by slightly changing the position of the receiver. Some noises are peculiar to a certain broadcasting frequency or a certain time of day. Such noises result from the nature of AM signals. In fringe or weak-signal areas, connect the AM antenna (supplied) to the AM ANTENNA terminal as shown on page 6.

On FM Programs

Noise on FM programs may be attributed to either insufficient antenna input or interference from other electrical appliances. In fringe or weak-signal areas, install an outdoor multi-element antenna with a rotator and position it for best signal pickup.

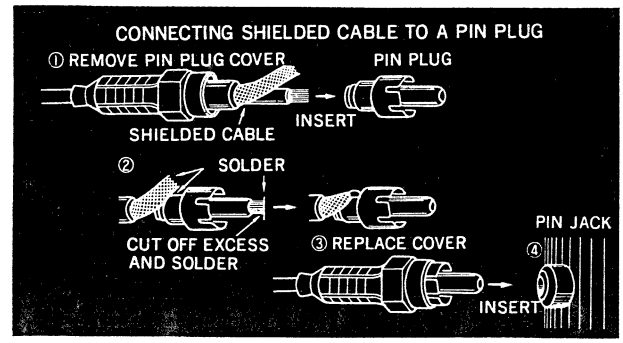
If it is installed near a well-traveled street, it may pickup ignition noise. In this case, move it back from the street. If still noisy, use coaxial cable (unbalanced 75-ohm) in place of the 300-ohm lead-in. Attach a matching transformer (300 Ω→75 Ω) to the antenna and then connect the center conductor to the FM-A_2 terminal, and the shield to the GND terminal on the rear panel of the QR-1500.



Connection of Components

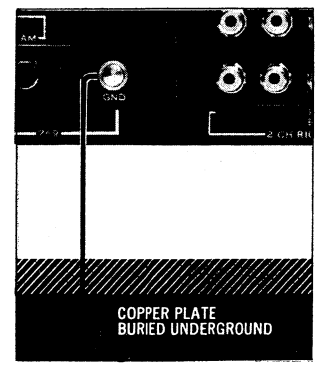
Use the shielded cables to connect the audio components such as a tape deck, turntable, etc. to the QR-1500. These cables not only keep the distributed capacity to a minimum but are very stable against environmental changes. The use of ordinary lamp cord usually results in picking up hum. Generally, the longer the connecting cable, the more the treble notes tend to be attenuated. It is therefore wise to keep their length below 7 feet or so.

The shielded cable is made up for use as illustrated below:



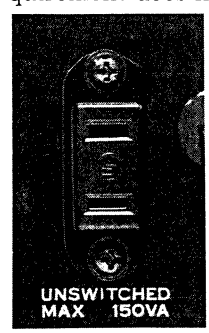
Grounding

Connect a PVC or enameled wire from the GND terminal to a grounded metal conductor such as a cold-water pipe, copper plate or carbon rod. Never connect it to a gas pipe. The grounding eliminates the possibility of hum and may reduce noise on radio programs.



AC Outlet

The AC outlet on the rear panel is live at all times and independent of the power switch. Its maximum rating is 150VA. It is dangerous to connect a component with a bigger power requirement. Before connecting any component, make sure its power requirement does not exceed 150VA.



Power and Quick-Acting Fuses

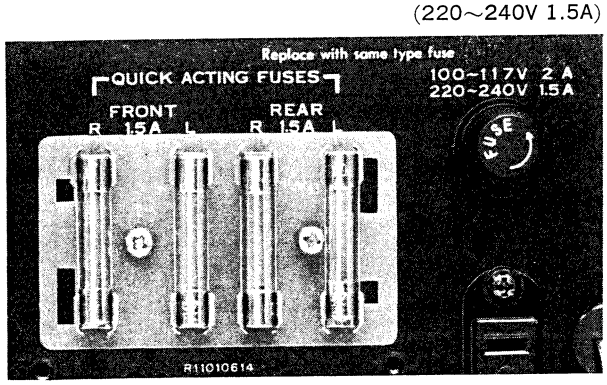
If there is no sound from all speakers and the pilot light is off when the power switch is turned on, check the power fuse on the rear panel. Should the power fuse blow, remove the AC line cord and replace the blown fuse with a new glass-tubed fuse of the same capacity (2-ampere fuse required for 100-117 volt operation; 1.5-ampere unit for 220-240 volt operation). Please purchase the new fuse from your nearest electric goods store.

If the pilot light is on but there is no sound from both or either of the front and/or rear speaker systems, check the quick-acting fuses. If the right-front fuse, for example, should blow, the right-front speaker system becomes dead. To reach the fuses, remove the AC line cord from its outlet, remove two screws from the metal cover to which the name plate has been attached, and remove the metal cover. After eliminating the cause of the blowout, replace the blown fuse with a new 1.5-ampere fuse (supplied). The trouble may be attributed to the shorted output circuit or excessively large input.

If the new fuse blows when the power switch is turned on, contact your nearest Sansui dealer or Authorized Service Station.

Caution: Never use a piece of wire or a fuse of different capacity, even as a stop-gap measure, or serious danger could result.

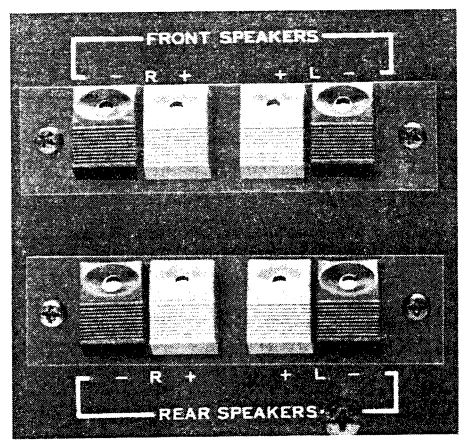
POWER FUSES (100~117V 2A)
(220~240V 1.5A)



QUICK ACTING FUSES (1.5A × 4)

Phasing of Speakers

If the polarities (plus and minus) of the front left and right speaker systems are not identical, sound from them will lack a sense of natural sound, and also be weak in the bass range. The same applies to the polarities of the rear left and right speaker systems. Make sure the plus terminals of each speaker system have been connected to the corresponding red terminals of the QR-1500, and the minus terminals of each speaker system to the corresponding black terminals. If the sound is still unnatural, the rear speakers should be changed in position and direction until natural 4-channel stereo effect is obtained.

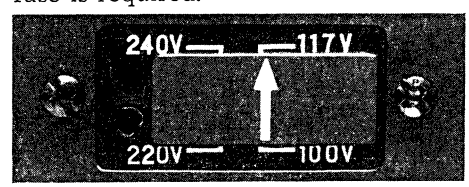


Volt Adjustment

To reach the volt selector, remove two screws from the metal cover to which the name plate has been attached, and remove the metal cover. The volt selector makes it possible to operate the QR-1500 at the correct volt in any area. The volt has been pre-adjusted at our factory, but can be easily re-adjusted as follows:

1. Set the arrow on the volt selector plug to the required volt: 100, 117, 220 or 240.

2. The power fuse should be changed, if required. For 100-117 volt operation, a 2-ampere fuse is required. For 220-240 volt operation, a 1.5-ampere fuse is required.



SPECIFICATIONS

AUDIO SECTION

POWER OUTPUT
- MUSIC POWER (IHF): 100W (at 4 ohms load)
  80W (at 8 ohms load)
- CONTINUOUS POWER: 20W × 4 (at 4 ohms load)
  15W × 4 (at 8 ohms load)

TOTAL HARMONIC DISTORTION:
less than 0.8% at rated output

INTERMODULATION DISTORTION (60Hz:7,000Hz =4:1 SMPTE method): less than 0.8% at rated output

POWER BANDWIDTH (IHF):
20 to 30,000Hz at 8 ohms load

FREQUENCY RESPONSE (at normal listening level)
- AUX 2-CHANNEL OVERALL: 30 to 30,000Hz ±2dB

CHANNEL SEPARATION: better than 50dB at 1,000Hz rated output

HUM AND NOISE (IHF)
- PHONO: less than −60dB
- AUX 2-CHANNEL: less than −70dB

INPUT SENSITIVITY (at rated output, 1,000Hz)
- PHONO (2-CH): 3mV (50k ohms)
- AUX 2-CHANNEL: 180mV (50k ohms)
- TAPE MON (pin) (2-CH): 180mV (50k ohms)
- TAPE RECORDER (DIN) (2-CH): 180mV (50k ohms)
- AUX 4-CHANNEL: 300mV (50k ohms)

RECORDING OUTPUT (2-CH)(at rated input, 1,000Hz)
- TAPE REC (pin): 180mV
- TAPE RECORDER (DIN): 30mV

LOAD IMPEDANCE: 4 to 16 ohms

DAMPING FACTOR: more than 20 at 8 ohms load

EQUALIZER
- PHONO: RIAA NF Type

TONE CONTROLS (Front channel only)
- BASS: +10dB −10dB at 50Hz
- TREBLE: +8dB −10dB at 10,000Hz

LOUDNESS (Volume control at −30dB): +8dB at 50Hz, +3dB at 10,000Hz

TUNER SECTION

<FM>

TUNING RANGE: 88 to 108MHz

SENSITIVITY
- 20dB QUIETING: 2.3μV
- IHF: 3μV

TOTAL HARMONIC DISTORTION: less than 1%

SIGNAL TO NOISE RATIO: better than 55dB

SELECTIVITY: better than 45dB

CAPTURE RATIO (IHF): 3dB

IMAGE FREQUENCY REJECTION: better than 50dB

IF REJECTION: better than 90dB

SPURIOUS RESPONSE REJECTION: better than 60dB

STEREO SEPARATION: better than 35dB at 400Hz

SPURIOUS RADIATION: less than 34dB

ANTENNA IMPEDANCE: 300 ohms balanced, 75 ohms unbalanced

<AM>

TUNING RANGE: 535 to 1,605kHz

SENSITIVITY: 200μV/m at 1,000kHz (bar antenna)

IMAGE FREQUENCY REJECTION: better than 50dB

IF REJECTION: better than 70dB at 1,000kHz

SELECTIVITY: better than 30dB

SYNTHESIZER SECTION

SYNTHESIZER/DECODER

GENERAL

SEMICONDUCTORS:
Transistors: 57 FET: 1 IC: 1 Diodes: 24

POWER REQUIREMENTS
- POWER VOLTAGE: 100, 117, 220, 240V 50/60Hz
- POWER CONSUMPTION: 130W (max. signal)

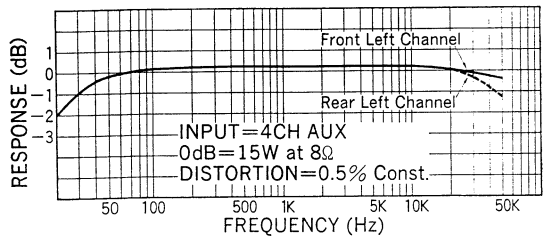
DIMENSIONS:
480mm (18 15/16″) W 132mm (5 1/4″) H 310mm (12 1/4″) D

WEIGHT: 9.0kg (19.9 lbs)

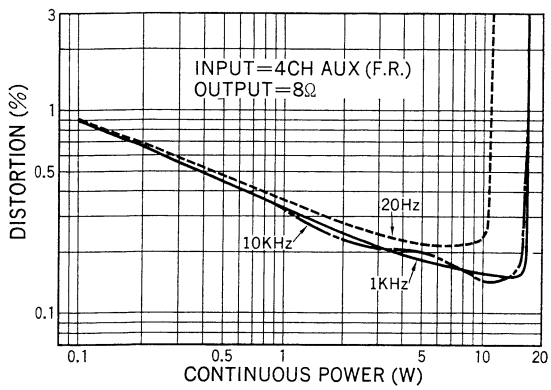
*Manufacturer reserves right to change design and/or specifications without notice for purpose of improvement.

CHARACTERISTICS/ACCESSORIES

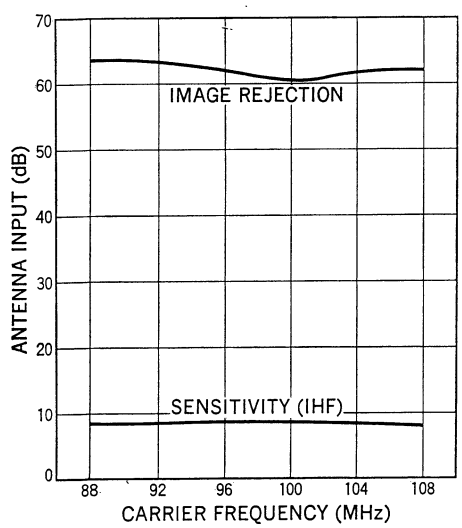
POWER BANDWIDTH



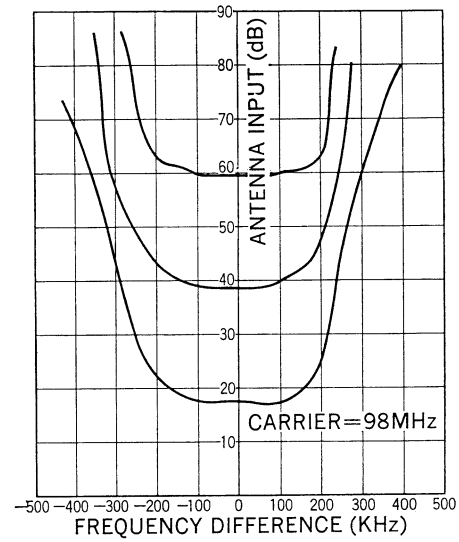
POWER OUTPUT HARMONIC DISTORTION



FM SENSITIVITY & IMAGE REJECTION



FM SELECTIVITY



Accessories

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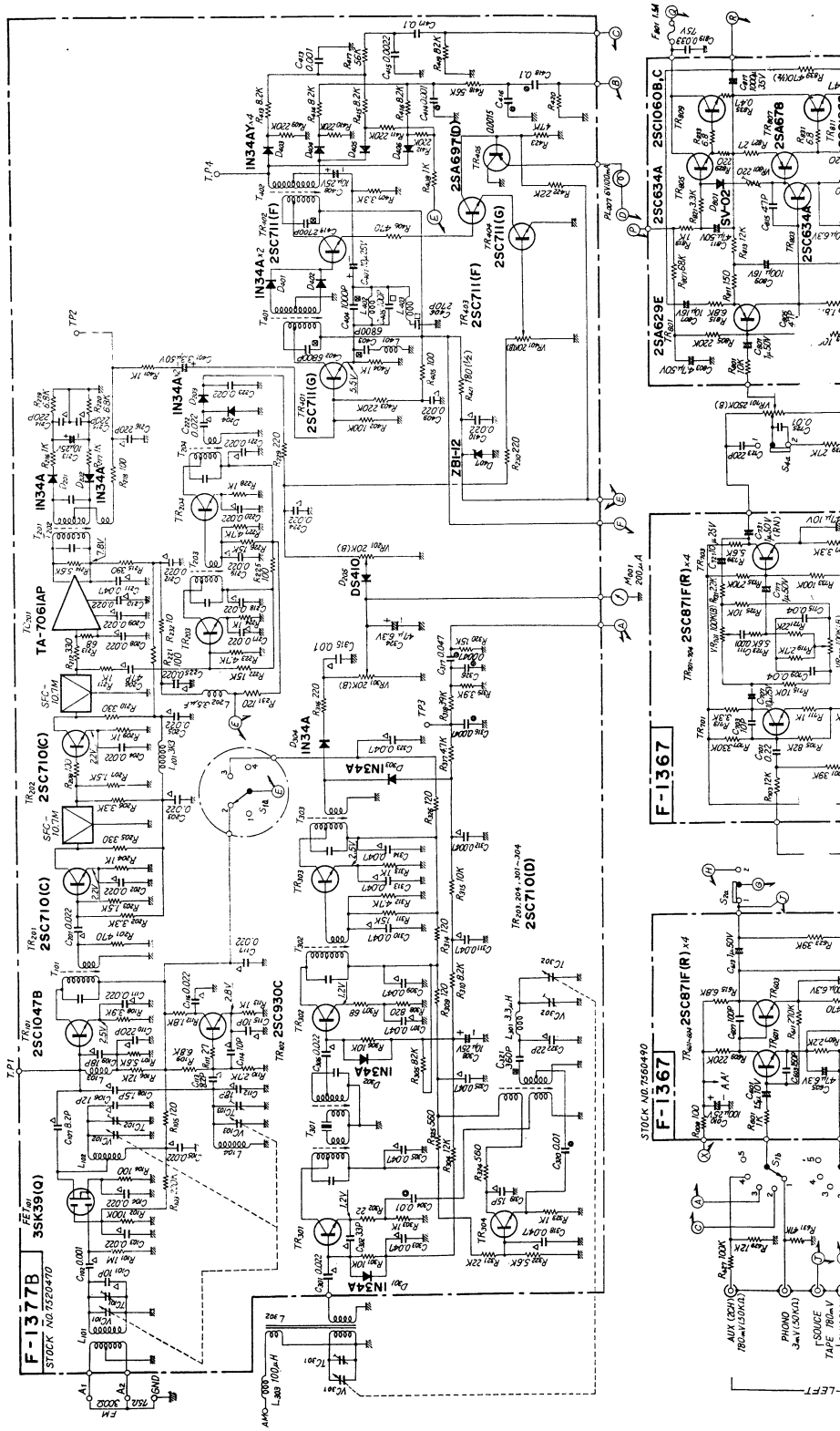
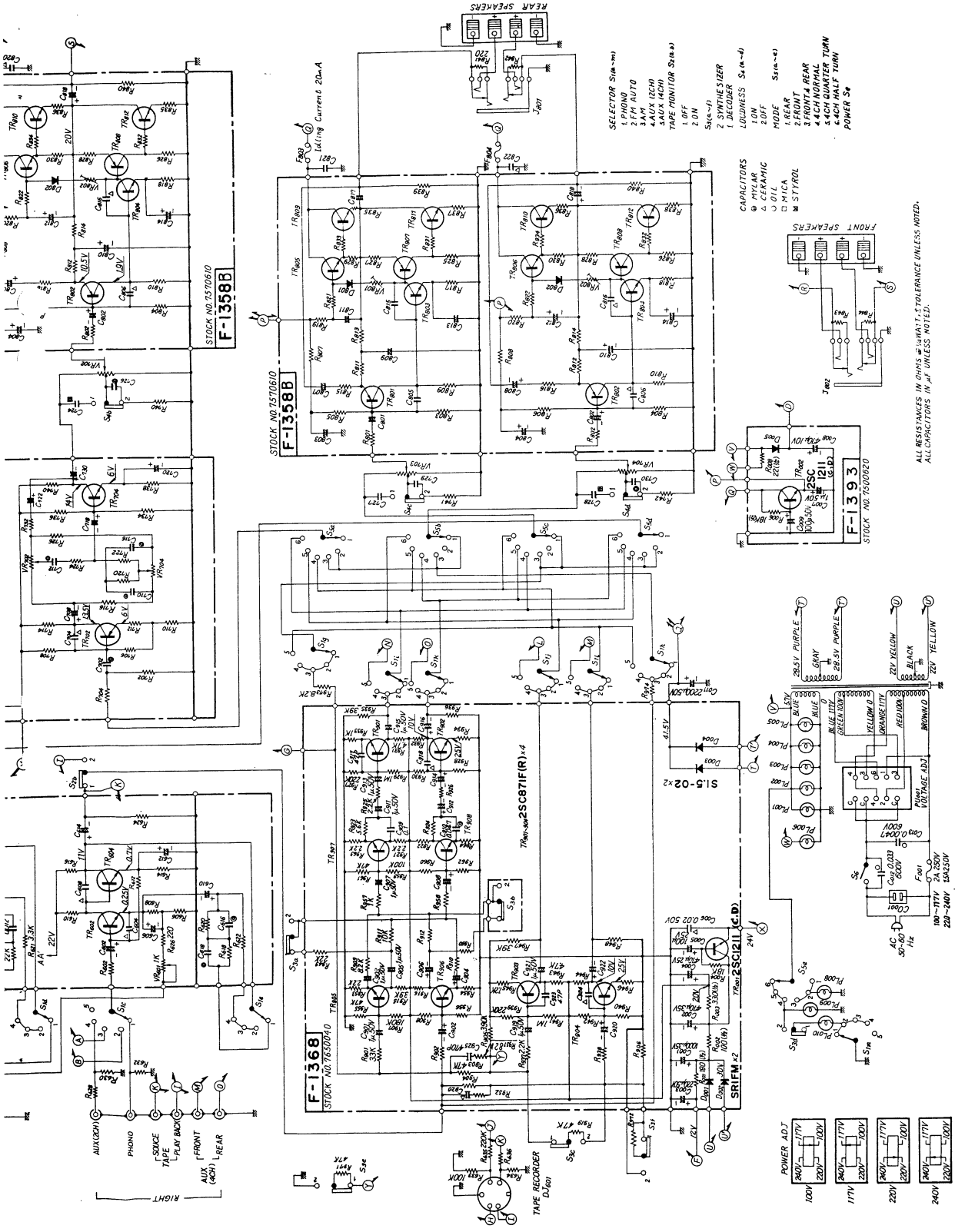
3.	FM ANTENNA	1
4.	AM ANTENNA	1
5.	PIN-PLUGS	2
6.	POLISHING CLOTH	1
7.	QUICK-ACTING FUSES (1.5A)	2
8.	BUTTERFLY BOLTS	2
9.	WASHERS	2

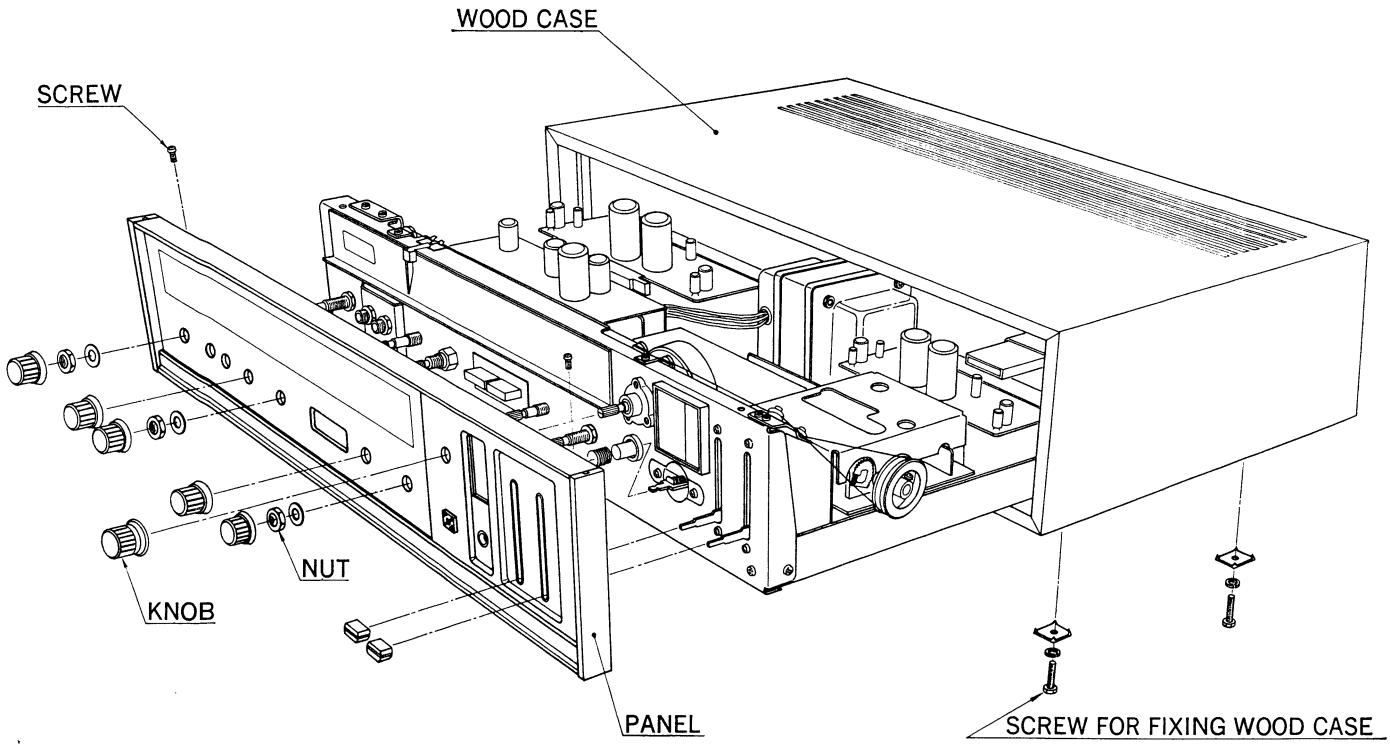
SCHEMATIC DIAGRAM



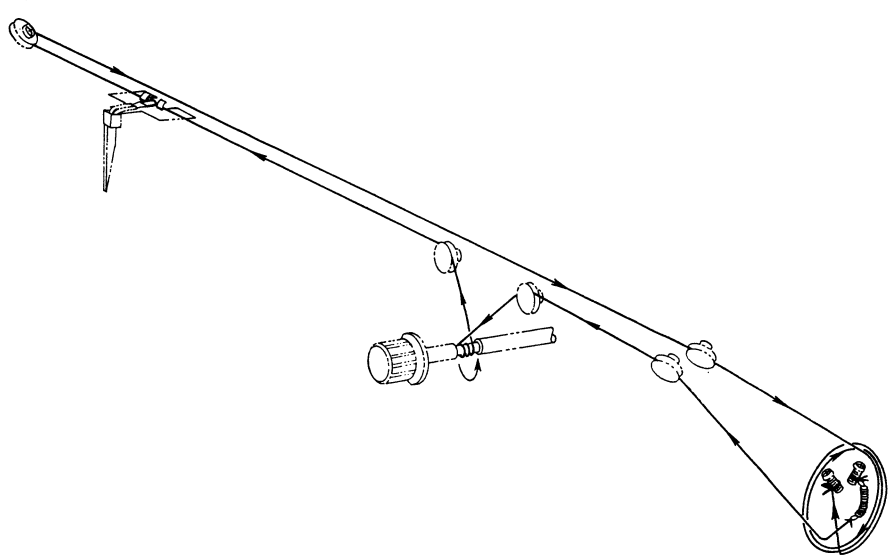

F-1358B
STOCK NO.7570610
F-1358B
STOCK NO.7570610
F-1368
STOCK NO.7630040
F-1393
STOCK NO.7500620
REAR SPEAKERS
FRONT SPEAKERS
SELECTOR S1(a~m)
1.PHONO
2.FM AUTO
3.AM
4.AUX (2CH)
5.AUX (4CH)
TAPE MONITOR S2(a,b)
1.OFF
2.ON
S3(a~j)
2.SYNTHESIZER
1.DECODER
LOUDNESS S4(a~d)
1.ON
2.OFF
MODE S5(a~e)
1.REAR
2.FRONT
3.FRONT+REAR
4.4CH NORMAL
5.4CH QUARTER TURN
6.4CH HALF TURN
POWER S6
CAPACITORS
MYLAR
CERAMIC
OIL
MICA
STYROL
ALL RESISTANCES IN OHMS Ω 1/4WATT ±5% TOLERANCE UNLESS NOTED.
ALL CAPACITORS IN μF UNLESS NOTED.
TR801~804 2SC871F(R)×4
SR1FM×2
SI-5-02×2
2SC1211 (C.D)
2SC1211
AUX(2CH)
PHONO
SOURCE TAPE PLAY BACK
AUX (4CH)
FRONT REAR
RIGHT
TAPE RECORDER DJ801
AC 50~60 Hz
100~117V 220~240V
POWER ADJ
100V
117V
220V
240V

DISASSEMBLY PROCEDURE

REMOVING THE FRONT PANEL, WOOD CASE AND BOTTOM BOARD



DIAL MECHANISM



GENERAL TROUBLESHOOTING CHART

If the receiver is otherwise operating satisfactorily, the more common causes of trouble may generally be attributed to the following:

1. Incorrect connections or loose terminal contacts. Check the speakers, turntable, tape deck, antenna and power cord.

2. Improper operation. Before operating any audio component, be sure to read its manufacturer's instructions.

3. Improper location of audio components. The proper positioning of components, such as speakers and turntable is essential to the maximum stereo enjoyment.

4. Defective audio components.

The following are more other common causes of malefunction and what to do about them.

PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
AM, FM or MPX reception	A. Constant or intermittent noise heard at times or in certain areas	* Discharge or oscillation caused by electrical appliances, such as fluorescent lamp, D.C. motor, or rectifier * Insufficient antenna input due to ferroconcrete wall or long distance from station	* Attach noise limiter to electrical appliance producing noise, or attach it to the receiver's power source * Reverse power cord plug/receptacle connections * Keep receiver at proper distance from other electrical appliances * Install antenna for maximum antenna efficiency. See "CONNECTIONS" in operating instructions
FM, or FM MPX reception	A. Noisy	* Poor noise limiter effect or too low SN ratio due to insufficient antenna input	* Install dipole antenna (supplied) for maximum signal strength * If this does not prove effective, use exclusive FM outdoor antenna * Excessively long antenna may cause noise
	Note: FM reception is affected considerably by transmission conditions of station, such as power and antenna efficiency. As a result, you may receive one station quite well while receiving another station poorly.		
	B. A series of pops	* Ignition noise caused by starting of nearby automobile engine	* Install antenna and its lead-in wire at proper distance from street or increase antenna input as described before
	C. Channel separation deteriorates during reception	* Excess heat	* Circulation of room air is important to receiver. Be sure that receiver is well ventilated
Record playing or tape playback	A. Hum or howling	* Turntable placed directly on speaker * Wire other than shielded cable used * Loose terminal contact	* Place cushion between turntable and speaker cabinet or place them away from each other * Connecting shielded cable should be as short as possible
	B. Surface noise	* Worn or old record * Worn phono stylus * Phono stylus is dusty * Improper stylus pressure	* Recondition playback head of tape deck or stylus of turntable * Turn TREBLE control counterclockwise
4-Channel stereo playback	A. Position of musical instruments and voice not clear	* Incorrect phasing of speakers or input connections	* Check phasing of speakers and input connections * The rear speakers should be changed in position and direction

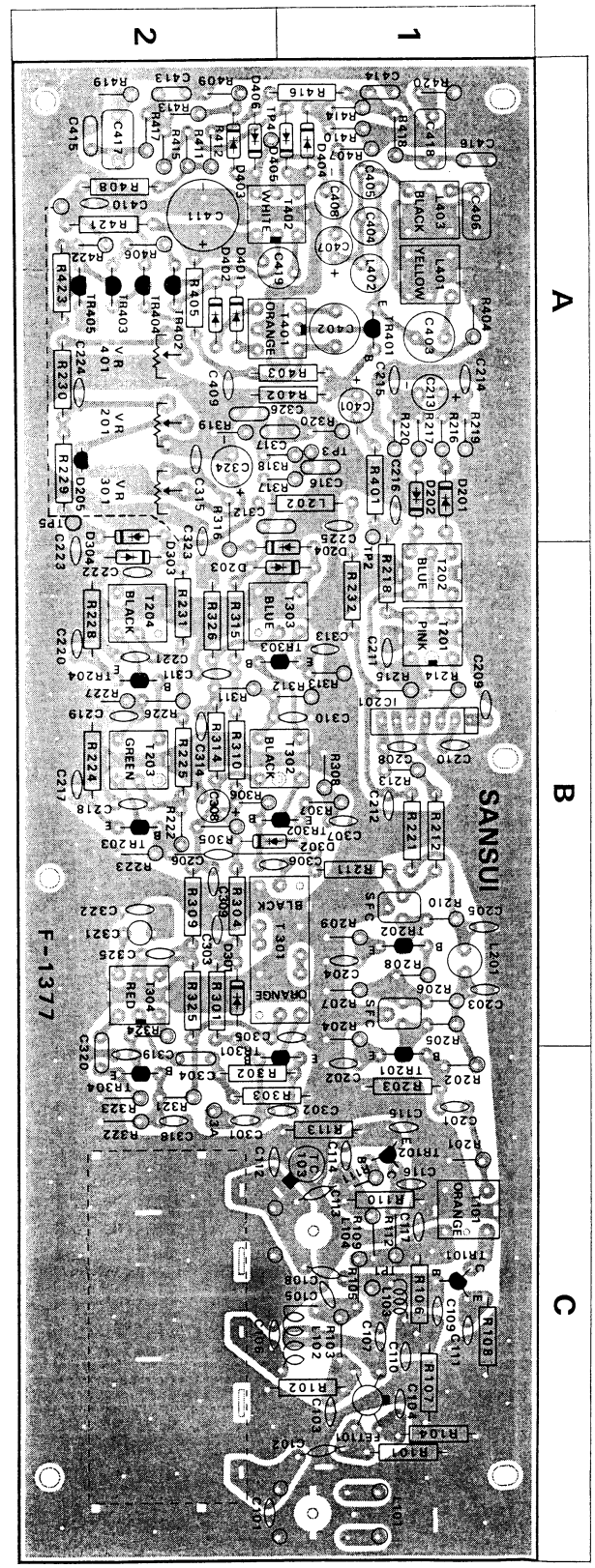
PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

TUNER BLOCK 〈F-1377-1A〉 Stock No. 7520430

W	X	Y	Z
R101	1MΩ	0101105	1C
R102	100kΩ	0101104	1C
R103	220kΩ	0100224	1C
R104	100Ω	0101101	1C
R105	120Ω	0100121	1C
R106	12kΩ	0101123	1C
R107	5.6kΩ	0101562	1C
R108	3.9kΩ	0101392	1C
R109	6.8kΩ	0100682	1C
R110	2.7kΩ	0101272	1C
R111	27Ω	0100270	1C
R112	1.8kΩ	0100182	1C
R113	1kΩ	0101102	1C
R201	470Ω	0100471	1C
R202	3.3kΩ	0100332	1C
R203	1.5kΩ	0101152	1C
R204	1kΩ	0100102	1B
R205	330Ω	0100331	1B
R206	3.3kΩ	0100332	1B
R207	1.5kΩ	0100152	1B
R208	100Ω	0100101	1B
R209	1kΩ	0100102	1B
R210	330Ω	0100331	1B
R211	1kΩ	0101102	1B
R212	330Ω	0101331	1B
R213	68Ω	0100680	1B
R214	5.6kΩ	0100562	1B
R215	390Ω (10% 1/4W CR.)	0100391	1B
R216	1kΩ	0100102	1A
R217	1kΩ	0100102	1A
R218	100Ω	0101101	1B
R219	6.8kΩ	0100682	1A
R220	6.8kΩ	0100682	1A
R221	100Ω	0101101	1B
R222	15kΩ	0100153	2B
R223	4.7kΩ	0100472	2B
R224	1kΩ	0101102	2B
R225	100Ω	0101101	2B
R226	15kΩ	0100153	2B
R227	4.7kΩ	0100472	2B
R228	1kΩ	0101102	2B
R229	220Ω	0101221	2A
R230	220Ω	0101221	2A
R231	120Ω	0101121	2B
R232	10Ω	0101100	1B
R301	10kΩ	0101103	2B
R302	22Ω	0101220	2C
R303	1kΩ	0101102	2C
R304	12kΩ	0101123	2B
R305	82kΩ	0100823	2B
R306	10kΩ	0100103	2B
R307	68Ω	0100680	1B
R308	820Ω	0100821	1B
R309	120Ω	0101121	2B
R310	8.2kΩ	0101822	2B
R311	15kΩ	0100153	2B
R312	4.7kΩ	0100472	1B
R313	1kΩ	0100102	1B
R314	120Ω	0101121	2B
R315	10kΩ	0101103	2B
R316	220Ω	0100221	2B
R317	4.7kΩ	0100472	1A
R318	39kΩ	0100393	1A
R319	3.9kΩ	0100392	2A
R320	15kΩ	0100153	1A
R321	22kΩ	0100223	2C
R322	5.6kΩ	0100562	2C
R323	1kΩ	0100102	2C
R324	560Ω	0100561	2B
R325	560Ω	0101561	2B
R326	120Ω	0101121	2B
R401	1kΩ	0101102	1A
R402	100kΩ (±10% 1/4W CR.)	0101104	1, 2A
R403	220kΩ	0101224	1, 2A
R404	1kΩ	0100102	1A
R405	100Ω	0101101	2A
R406	470Ω	0100471	2A
R407	3.3kΩ	0100332	1A
R408	1kΩ	0101102	2A
R409	220kΩ	0100224	2A
R410	220kΩ	0100224	1A
R411	220kΩ	0100224	2A
R412	220kΩ	0100224	2A
R413	8.2kΩ	0100822	2A
R414	8.2kΩ	0100822	1A
R415	8.2kΩ	0100822	2A
R416	8.2kΩ	0101822	1, 2A
R417	56kΩ	0100563	2A
R418	56kΩ	0100563	1A
R419	82kΩ	0100823	2A
R420	82kΩ	0100823	1A
R421	180Ω ± 5% 1W CR.	0104181	2A
R422	22kΩ (±10% 1/4W CR.)	0100223	2A
R423	47kΩ	0101473	2A
R424	33kΩ	0101333	2A
VR201	20kΩ (B)	1032122	2A
VR301		1032122	2A
VR401		1032122	2A
C101	10pF (±10% 50 V CC.)	0664100	2C
C102	0.001μF	0654102	1C
C103	0.022μF	0656223	1C
C104	0.022μF (+80 −20% 25 V CC.)	0656223	1C
C105	0.022μF	0656223	1C
C106	12pF ±10% 50 V CC.	0661120	2C
C107	8.2pF ±0.5pF 50V CC.	0669005	1C
C108	1.5pF ±0.25% 50 V CC.	0669021	1C
C109	18pF (±10% 50 V CC.)	0661180	1C
C110	220pF	0660221	1C
C111	0.022μF +80 −20% 25 V CC.	0656223	1C
C112	18pF ± 5% 50 V CC.	0669353	2C

W	X			Y	Z
C_{113}	8.2pF	0.25pF	50 V CC.	0669015	1 C
C_{114}	10pF	±10%	50 V CC.	0664100	1 C
C_{115}	10pF			0664100	1 C
C_{116}	0.022μF	$^{+80}_{-20}$%	25 V CC.	0656223	1 C
C_{117}	0.022μF			0656223	1 C
C_{201}	0.022μF			0656223	1 C
C_{202}	0.022μF			0656223	1 C
C_{203}	0.022μF	$^{+80}_{-20}$%	25 V CC.	0656223	1 B
C_{204}	0.022μF			0656223	1 B
C_{205}	0.022μF			0656223	1 B
C_{206}	47pF	±10%	50 V CC.	0660470	2 B
C_{208}	0.022μF			0656223	1 B
C_{209}	0.022μF			0656223	1 B
C_{210}	0.022μF	$^{+80}_{-20}$%	25 V CC.	0656223	1 B
C_{211}	0.047μF			0656473	1 B
C_{212}	0.022μF			0656223	1 B
C_{213}	10μF		25 V EC.	0513100	1 A
C_{214}	220pF			0660221	1 A
C_{215}	220pF	±10%	50 V CC.	0660221	1 A
C_{216}	220pF			0660221	1 A
C_{217}	0.022μF			0656223	2 B
C_{218}	0.022μF			0656223	2 B
C_{219}	0.022μF			0656223	2 B
C_{220}	0.022μF	$^{+80}_{-20}$%	25 V CC.	0656223	2 B
C_{221}	0.022μF			0656223	2 B
C_{223}	0.022μF			0656223	2 B
C_{224}	0.022μF			0656223	2 A
C_{225}	0.022μF			0656223	1 A
C_{302}	33pF	±10%	50 V CC.	0660330	1 C
C_{303}	0.047μF	$^{+80}_{-20}$%	25 V CC.	0656473	2 C
C_{304}	0.01μF	±10%	50 V MC.	0601107	2 C
C_{305}	0.047μF			0656473	2 B
C_{306}	0.022μF	$^{+80}_{-20}$%	25 V CC.	0656223	1 B
C_{307}	0.047μF			0656473	1 B
C_{308}	10μF		25 V EC.	0513100	2 B
C_{309}	0.047μF			0656473	2 B
C_{310}	0.047μF	$^{+80}_{-20}$%	25 V CC.	0656473	1 B
C_{311}	0.047μF			0656473	2 B
C_{312}	0.0047μF	±10%	50 V MC.	0601476	2 A
C_{313}	0.047μF	$^{+80}_{-20}$%	25 V CC.	0656473	1 B
C_{314}	0.047μF			0656473	2 B
C_{315}	0.01μF	$^{+80}_{-20}$%	25 V CC.	0656103	2 A
C_{316}	0.0047μF	±10%	50 V MC.	0601476	1 A
C_{317}	0.068μF			0601687	2 A
C_{318}	0.047μF	$^{+80}_{-20}$%	25 V CC.	0656473	2 C
C_{319}	15pF	±10%	50 V CC.	0660150	2 C
C_{320}	0.01μF	±10%	50 V MC.	0601107	2 B, C
C_{321}	360pF	± 5%	50 V SC.	0620361	2 B
C_{322}	22pF	±10%	50 V CC.	0660220	2 B
C_{323}	0.047μF	$^{+80}_{-20}$%	25 V CC.	0656473	2 A, B
C_{324}	47μF		6.3 V EC.	0510470	2 A
C_{325}	0.047μF	$^{+80}_{-20}$%	25 V CC.	0656473	2 B
C_{326}	0.0047μF	±10%	50 V MC.	0601476	1 A
C_{401}	3.3μF		50 V EC.	0515339	1 A



PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

TUNER BLOCK 〈F-1377-1A〉 Cont'd

W	X	Y	Z
C402	6800pF ± 5% 50 V SC.	0620682	1 A
C403	6800pF ± 5% 50 V SC.	0620682	1 A
C404	1000pF ± 5% 50 V SC.	0620102	1 A
C405	100pF ± 5% 50 V SC.	0620101	1 A
C406	270pF ± 5% 50 V MiC.	0640271	1 A
C407	10μF 25 V EC.	0513100	1 A
C408	10μF 25 V EC.	0513100	1 A
C409	0.022μF +80% −20% 25 V CC.	0656223	2 A
C410	0.022μF +80% −20% 25 V CC.	0656223	2 A
C411	0.022μF +80% −20% 25 V CC.	0656223	2 A
C413	0.001μF ±10% 50 V MC.	0601106	2 A
C414	0.001μF ±10% 50 V MC.	0601106	1 A
C415	2200pF ±10% 50 V SC.	0620222	2 A
C416	2200pF ±10% 50 V SC.	0620222	1 A
C417	0.1μF ±10% 50 V MC.	0601108	2 A
C418	0.1μF ±10% 50 V MC.	0601108	1 A
C419	2700pF ± 5% 50 V SC.	0620272	1, 2 A
TR101	2SC1047 (B)	0305800	1 C
TR102	2SC930 (C)	0305790	1 C
TR201	2SC710 (C)	0305942	1 C
TR202	2SC710 (C)	0305942	1 B
TR203	2SC710 (D)	0305943	2 B
TR204	2SC710 (D)	0305943	2 B
TR301	2SC710 (D)	0305943	2 C
TR302	2SC710 (D)	0305943	1 B
TR303	2SC710 (D)	0305943	1, 2 B
TR304	2SC710 (D)	0305943	2 C
TR401	2SC711 (G)	0305733	1 A
TR402	2SC711 (F)	0305732	2 A
TR403	2SC711 (F)	0305732	2 A
TR404	2SC711 (G)	0305733	2 A
TR405	2SA697 (D) or 9000-1 (C)	0300311 or 0300200	2 A
FET101	3SK39 (Q)	0370080	1 C
D201	IN34A	0310400	1 A
D202	IN34A	0310400	1 A
D203	IN34A	0310400	2 B
D204	IN34A	0310400	1 B
D205	DS-410	0340030	2 A
D301	IN34A	0310400	2 B
D302	IN34A	0310400	1 B
D303	IN34A	0310400	2 B
D304	IN34A	0310400	2 B
D401	IN34A	0310400	2 A
D402	IN34A	0310400	2 A
D403	IN34A (Y)	0310401	2 A
D404	IN34A (Y)	0310401	1 A
D405	IN34A (Y)	0310401	2 A
D406	IN34A (Y)	0310401	2 A
T101	FM IFT	4235790	1 C
T201	FM Discriminating Transformer	4235750	1 B
T202	FM Discriminating Transformer	4235760	1 B
T203	FM Meter Coil	4235770	2 B
T204	FM Meter Coil	4235780	2 B

W	X	Y	Z
T301	CFU-73B Ceramic Filter	4230550	1, 2 B
T302	AM IFT	4230510	1, 2 B
T303	AM IFT	4230500	1, 2 B
T304	AM OSC Coil	4220280	2 B
T401	MPX Coil	4240630	1, 2 A
T402	MPX Coil	4240620	1, 2 A
L101	FM Antenna Coil	4220370	1 C
L102	FM RF Coil	4210090	1 C
L103	Choke Coil	4290110	1 C
L104	FM OSC Coil	4220270	1 A
L201	Peaking Coil	4900100	1 B
L202	Peaking Coil	4290011	1, 2 A
L301	Peaking Coil	4290011	
L401	MPX Coil	4240640	1 A
L402	Ferri Inductor	4900030	1 A
L403	MPX Coil	4240610	1 A
CF201	SFC-10.7MA Ceramic Filter	0910120	1 B
CF202	SFC-10.7MA Ceramic Filter	0910120	1 B
VC101	AM/FM Variable Capacitor	1220110	
VC102	AM/FM Variable Capacitor		
VC103	AM/FM Variable Capacitor		
VC301	AM/FM Variable Capacitor		
VC302	AM/FM Variable Capacitor		
TC102	Trimer Capacitor	1230090	1 C
IC201	TA-7061AP	0360060	1 B

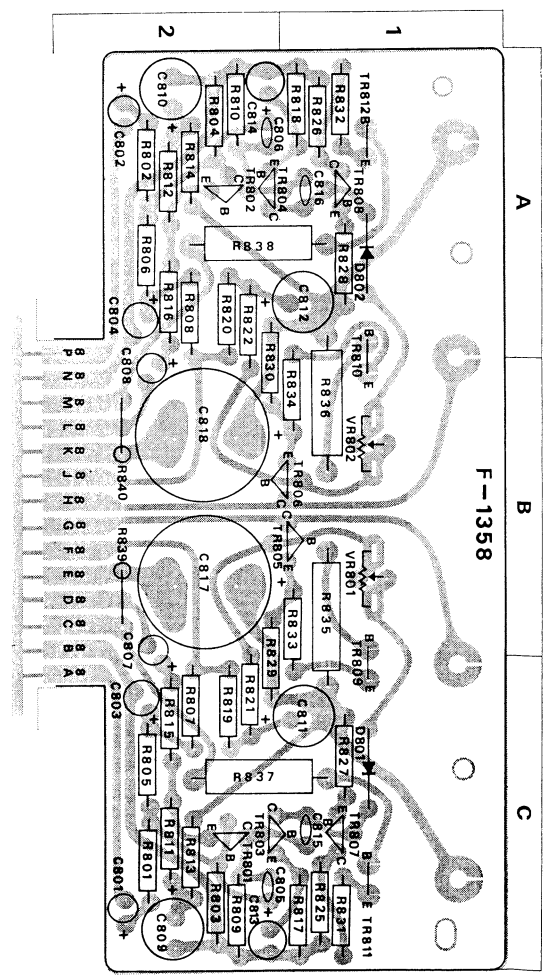
Abbreviations

CR : Carbon Resistor
SR : Solid Resistor
CeR : Cement Resistor
CC : Ceramic Capacitor
MC : Mylar Capacitor
EC : Electrolytic Capacitor
SC : Styrol Capacitor
MiC : Mica Capacitor
TC : Tantalum Capacitor
OC : Oil Capacitor

POWER AMP. BLOCK〈F-1358B〉 Stock No. 7570610

W	X	Y	Z
R801	10kΩ	0101103	2C
R802	10kΩ	0101103	2A
R803	100kΩ	0101104	2C
R804	100kΩ	0101104	2A
R805	220kΩ	0101224	2C
R806	220kΩ	0101224	2A
R807	68kΩ	0101683	2C
R808	68kΩ	0101683	2A
R809	1.8kΩ	0101182	2C
R810	1.8kΩ	0101182	2A
R811	150Ω	0101151	2C
R812	150Ω	0101151	2A
R813	12kΩ	0101123	2C
R814	12kΩ	0101123	2A
R815	6.8kΩ	0101682	2C
R816	6.8kΩ	0101682	2A
R817	220Ω ±10% 1/4W CR.	0101221	1C
R818	220Ω	0101221	2A
R819	1kΩ	0101102	2C
R820	1kΩ	0101102	2A
R821	3.3kΩ	0101332	2C
R822	3.3kΩ	0101332	2A, B
R825	220Ω	0101221	1C
R826	220Ω	0101221	1A
R827	27Ω	0101270	1C
R828	27Ω	0101270	1A
R829	220Ω	0101221	2B, C
R830	220Ω	0101221	2A, B
R831	6.8Ω	0101689	1C
R832	6.8Ω	0101689	1A
R833	6.8Ω	0101689	1B, C
R834	6.8Ω	0101689	1A, B
R835	0.47Ω	0152478	1B, C
R836	0.47Ω ±10% 2W CeR.	0152478	1A, B
R837	0.47Ω	0152478	1, 2C
R838	0.47Ω	0152478	1, 2A
R839	470Ω ±10% 1/2W SR.	0111471	2B
R840	470Ω	0111471	2B
VR801	200Ω (B)	1032020,1,2	1B
VR802		1032020,1,2	1B
C801	1μF	0515109	1C
C802	1μF 50 V EC.	0515109	2A
C803	4.7μF	0515479	2C
C804	4.7μF	0515479	2A
C805	47pF ±10% 50 V CC.	0660470	2B
C806	47pF	0660470	2A
C807	10μF	0512100	2B, C
C808	10μF 16 V EC.	0512100	2A, B
C809	100μF	0512101	2C
C810	100μF	0512101	2A
C811	47μF 50 V EC.	0515470	1C
C812	47μF	0515470	1A
C813	100μF 6.3 V EC.	0510101	2C
C814	100μF	0510101	2A
C815	47pF ±10% 50 V CC.	0660470	1C
C816	47pF	0660470	1A

W	X	Y	Z
C817	1000μF 35 V EC.	0544104	2B
C818	1000μF	0544104	2B
TR801	2SA629 (E, F)	0300330, 1	2C
TR802		0300330, 1	2A
TR803	2SC634A (6, 7)	0305891, 2	2C
TR804		0305891, 2	1, 2A
TR805		0305891, 2	1, 2B
TR806		0305891, 2	1B
TR807	2SA678 (6, 7)	0300291, 2	1C
TR808		0300291, 2	1A
TR809	2SC1060 (B, C)	0305711, 2	1B, C
TR810		0305711, 2	1A, B
TR811		0305711, 2	1C
TR812		0305711, 2	1A
D801	SV-02	0310490	1C
D802		0310490	1A

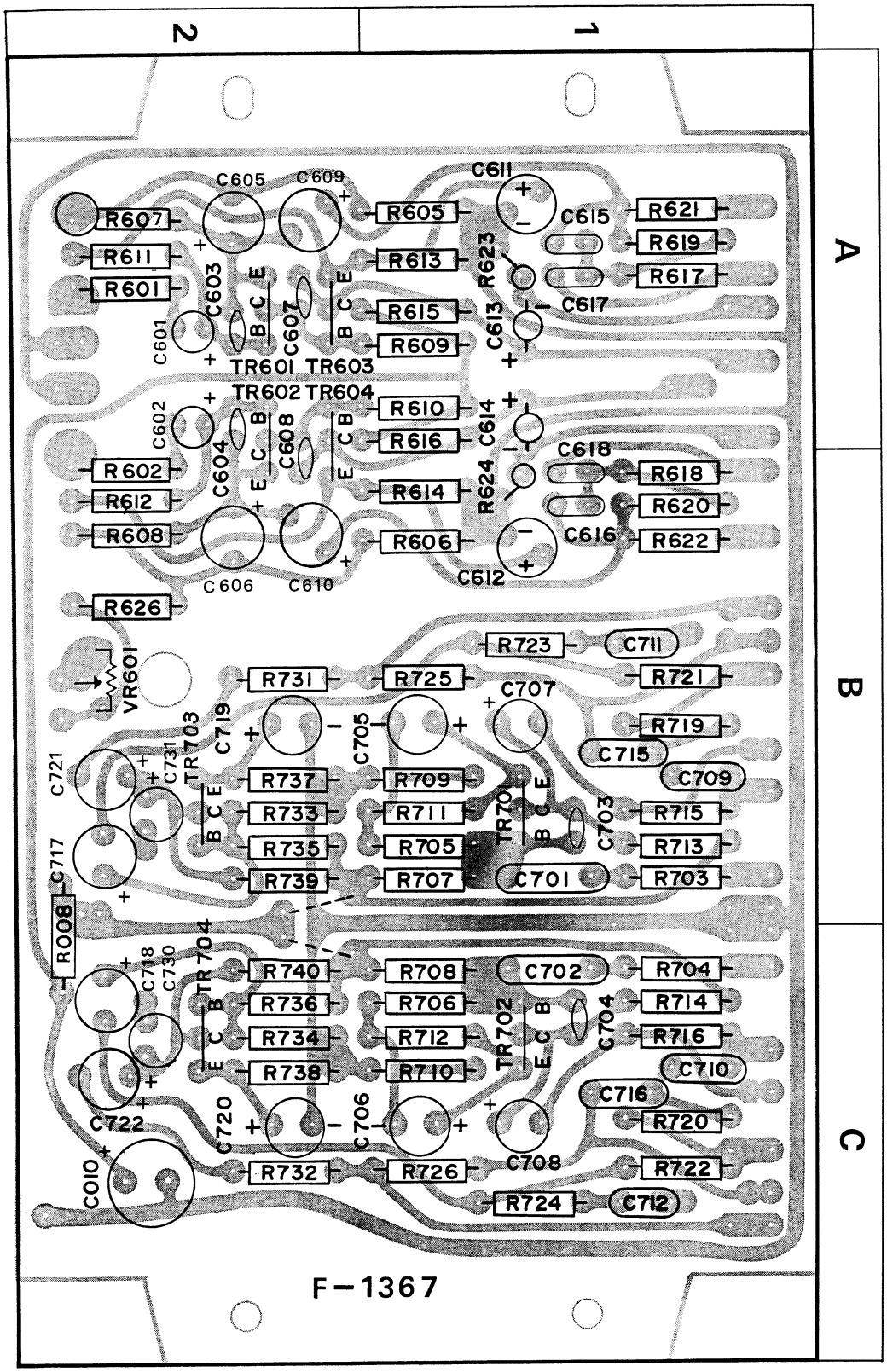


PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

EQUALIZER AND TONE BLOCK〈F-1367〉 Stock No. 7560490

W	X	Y	Z
R008	100Ω	0101101	2B, C
R601	1kΩ	0101102	2A
R602	1kΩ	0101102	2B
R605	470Ω	0101471	1A
R606	470Ω	0101471	1B
R607	2.2kΩ	0101222	2A
R608	2.2kΩ	0101222	2B
R609	220kΩ	0101224	1A
R610	220kΩ	0101224	1A
R611	270kΩ	0101274	2A
R612	270kΩ	0101274	2B
R613	470Ω	0101471	1A
R614	470Ω	0101471	1A
R615	6.8kΩ	0101682	1A
R616	6.8kΩ	0101682	1A
R617	22kΩ	0101223	1A
R618	22kΩ	0101223	1B
R619	220kΩ	0101224	1A
R620	220kΩ	0101224	1B
R621	3.3kΩ	0101332	1A
R622	3.3kΩ	0101332	1B
R623	39kΩ	0101393	1A
R624	39kΩ	0101393	1B
R626	220Ω	0101221	2B
R701	39kΩ	0101393	
R702	39kΩ	0101393	
R703	12kΩ	0101123	1B
R704	12kΩ ±10% ¼W CR.	0101123	1C
R705	82kΩ	0101823	1B
R706	82kΩ	0101823	1C
R707	330kΩ	0101334	1B
R708	330kΩ	0101334	1C
R709	1kΩ	0101102	1B
R710	1kΩ	0101102	1C
R711	1kΩ	0101102	1B
R712	1kΩ	0101102	1C
R713	3.3kΩ	0101332	1B
R714	3.3kΩ	0101332	1C
R715	10kΩ	0101103	1B
R716	10kΩ	0101103	1C
R719	2.7kΩ	0101272	1B
R720	2.7kΩ	0101272	1C
R721	22kΩ	0101223	1B
R722	22kΩ	0101223	1C
R723	5.6kΩ	0101562	1B
R724	5.6kΩ	0101562	1C
R725	10kΩ	0101103	1B
R726	10kΩ	0101103	1C
R731	2.2kΩ	0101222	2B
R732	2.2kΩ	0101222	2C
R733	100kΩ	0101104	2C
R734	100kΩ	0101104	2B
R735	270kΩ	0101274	2B
R736	270kΩ	0101274	2C
R737	3.3kΩ	0101332	2B
R738	3.3kΩ	0101332	2C
R739	5.6kΩ ±10% ¼W CR.	0101562	2B
R740	5.6kΩ	0101562	2C
VR601	1kΩ (B)	1030820	2B
C010	100μF 25 V EC.	0513101	2C
C601	1.5μF 10 V TC.	0571159	2A
C602	1.5μF	0571159	2A
C603	150pF ±10% 50 V CC.	0660151	2A
C604	150pF	0660151	2A
C605	47μF 6.3 V EC.	0510470	2A
C606	47μF	0510470	2B
C607	100pF ±10% 50 V CC.	0660101	2A
C608	100pF	0660101	2A, B
C609	10μF 25 V EC.	0513100	2A
C610	10μF	0513100	2B
C611	100μF 6.3 V EC.	0510101	1A
C612	100μF	0510101	1B
C613	1μF 50 V EC,	0515109	1A
C614	1μF	0515109	1A
C615	0.012μF ±10% 50 V MC.	0601127	1A
C616	0.012μF	0601127	1B
C617	0.003μF	0601306	1A
C618	0.003μF	0601306	1B
C701	0.22μF	0601228	1B
C702	0.22μF	0601228	1C
C703	10pF ±10% 50 V CC.	0660100	1B
C704	10pF	0660100	1C
C707	10μF 25 V EC.	0513100	1B
C708	10μF	0513100	1C
C709	0.04μF ±10% 50 V MC.	0601407	1B
C710	0.04μF	0601407	1C
C711	0.001μF	0601106	1B
C712	0.001μF	0601106	1C
C715	0.04μF	0601407	1B
C716	0.04μF	0601407	1C
C717	1μF 50 V EC.	0515109	2B
C718	1μF	0515109	2C
C719	47μF 10 V EC.	0511470	2B
C720	47μF	0511470	2C
C721	10μF 25 V EC.	0513100	2B
C722	10μF	0513100	2C
C730	1μF RN 50 V EC.	0519101	2C
C731	1μF	0519101	2B
TR601	2SC871R (F)	0305475	2A
TR602		0305475	2A, B
TR603		0305475	2A
TR604		0305475	2A, B
TR701		0305475	1B
TR702		0305475	1C
TR703		0305475	2B
TR704		0305475	2C


2
1
A
B
C
R607
R611
R601
C605
C609
R605
R613
R615
R609
C611
C615
R621
R619
R617
R623
C613
C617
C603
C601
C607
TR601 TR603
TR602 TR604
C602
C608
R610
R616
R614
C614
C618
R618
R620
R622
C616
R602
R612
R608
C604
C606
C610
R606
C612
R624
R626
VR601
R723
C711
R731
R725
C707
R721
C719
C705
R719
C721
C731
TR703
R737
R709
C715
C709
R733
R711
TR701
C703
R715
R735
R705
R713
R739
R707
C701
R703
C717
R008
C718
C730
TR704
R740
R708
C702
R704
R736
R706
R714
R734
R712
TR702
C704
R716
R738
R710
C710
C716
C722
C720
C706
R720
C010
R732
R726
C708
R722
R724
C712
F-1367

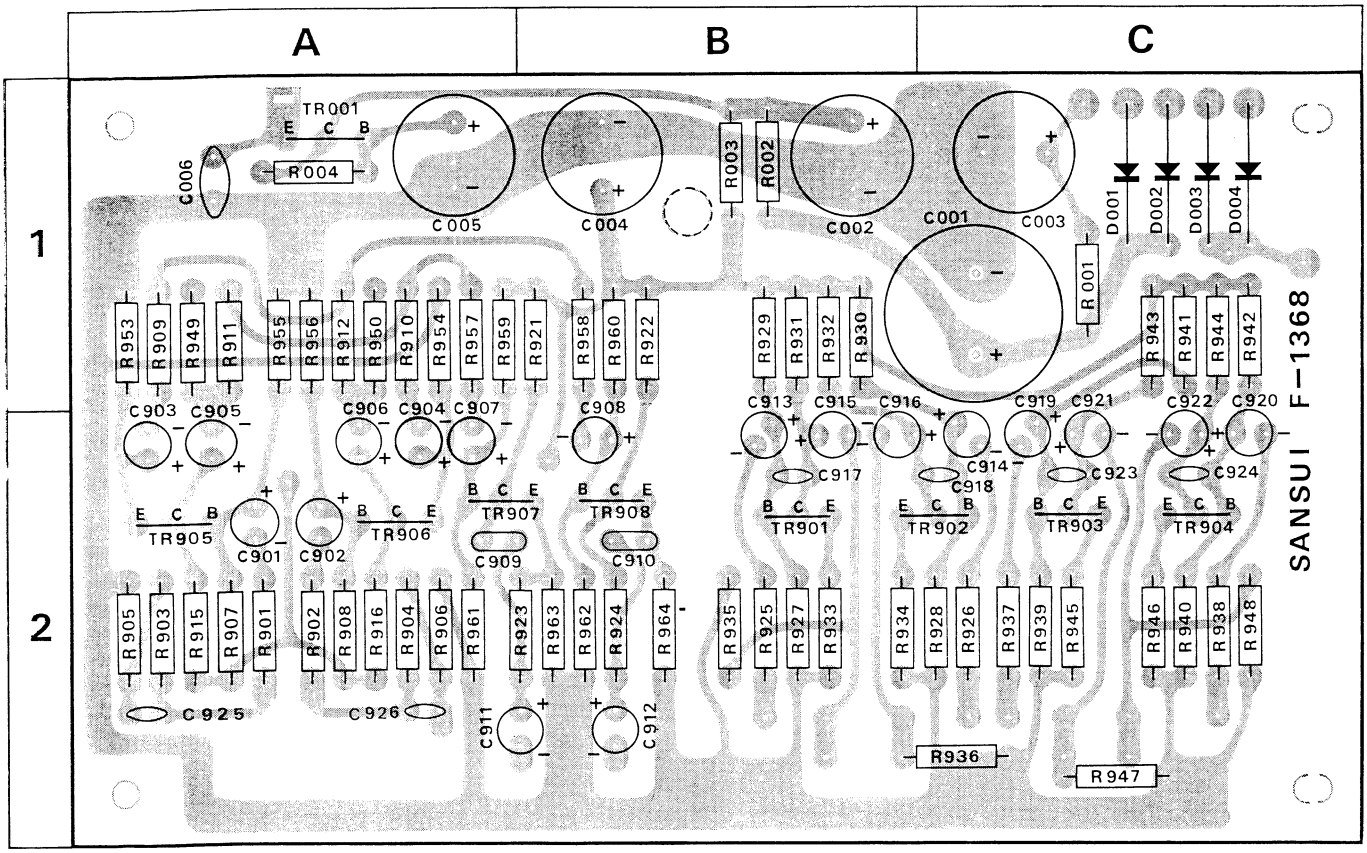
PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

SYNTHESIZER BLOCK〈F-1368〉 Stock No. 7650040

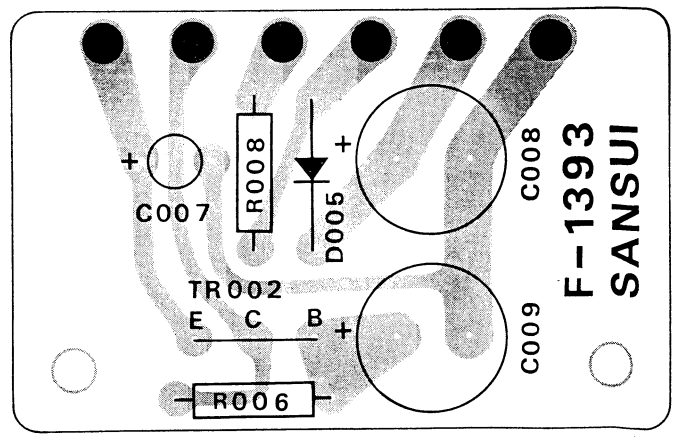
W	X	Y	Z
R001	180Ω ±5% 1W CR.	0104181	1C
R002	100Ω	0111101	1B
R003	330Ω ±10% ½W SR.	0111331	1B
R004	18kΩ	0111183	1A
R901	33kΩ	0101333	2A
R902	33kΩ	0101333	2A
R903	47kΩ	0101473	2A
R904	47kΩ	0101473	2A
R905	390kΩ	0101394	2A
R906	390kΩ	0101394	2A
R907	180kΩ	0101184	2A
R908	180kΩ	0101184	2A
R909	8.2kΩ	0101822	1A
R910	8.2kΩ	0101822	1A
R911	10kΩ	0101103	1A
R912	10kΩ	0101103	1A
R915	3.9kΩ	0101392	2A
R916	3.9kΩ	0101392	2A
R921	2.2kΩ	0101222	1B
R922	2.2kΩ	0101222	1B
R923	5.6kΩ	0101562	2A, B
R924	5.6kΩ	0101562	2B
R925	2.2kΩ	0101222	2B
R926	2.2kΩ	0101222	2C
R927	220kΩ	0101224	2B
R928	220kΩ ±10% ¼W CR.	0101224	2C
R929	1MΩ	0101105	1B
R930	1MΩ	0101105	1B
R931	4.7kΩ	0101472	1B
R932	4.7kΩ	0101472	1B
R933	1kΩ	0101102	2B
R934	1kΩ	0101102	2B
R935	39kΩ	0101393	2B
R936	39kΩ	0101393	2C
R937	2.2kΩ	0101222	2C
R938	2.2kΩ	0101222	2C
R939	220kΩ	0101224	2C
R940	220kΩ	0101224	2C
R941	1MΩ	0101105	1C
R942	1MΩ	0101105	1C
R943	4.7kΩ	0101472	1C
R944	4.7kΩ	0101472	1C
R945	1.2kΩ	0101122	2C
R946	1.2kΩ	0101122	2C
R947	39kΩ	0101393	2C
R948	39kΩ	0101393	2C
R949	18kΩ ±5% ¼W CR.	0107183	1A
R950	18kΩ	0107183	1A
R951	82kΩ	0101823	
R952	82kΩ	0101823	
R953	2.2kΩ	0101222	1A
R954	2.2kΩ ±10% ¼W CR.	0101222	1A
R955	47kΩ	0101473	1A
R956	47kΩ	0101473	1A
R957	1kΩ	0101102	1A
R958	1kΩ	0101102	1B

W	X	Y	Z
R959	100kΩ	0101104	1A
R960	100kΩ	0101104	1B
R959	47kΩ ±10% ¼W CR.	0101473	2A
R960	47kΩ	0101473	2B
R963	2.2kΩ	0101222	2B
R964	2.2kΩ	0101222	2B
C001	1000μF 35 V EC.	0549004	1B, C
C002	470μF	0514471	1B
C003	220μF 50 V EC.	0515221	1C
C004	470μF 25 V EC.	0513471	1B
C005	100μF	0513101	1A
C006	0.022μF ±10% 50 V CC.	0650223	1A
C901	1μF	0515109	2A
C902	1μF	0515109	2A
C903	1μF	0515109	2A
C904	1μF	0515109	2A
C905	1μF 50 V EC.	0515109	2A
C906	1μF	0515109	2A
C907	1μF	0515109	2A
C908	1μF	0515109	2B
C909	0.1μF ±10% 50 V MC.	0601108	2A
C910	0.047μF	0601477	2B
C911	1μF	0515109	2A, B
C912	1μF	0515109	2B
C913	1μF 50 V EC.	0515109	2B
C914	1μF	0515109	2C
C915	1μF RN 50 V EC.	0519101	2B
C916	1μF	0519101	2B
C917	47pF ±10% 50 V CC.	0660470	2B
C918	47pF	0660470	2C
C919	1μF 50 V EC.	0515109	2C
C920	1μF	0515109	2C
C921	1μF RN 50 V EC.	0519101	2C
C922	1μF	0519101	2C
C923	47pF	0660470	2C
C924	47pF ±10% 50 V CC.	0660470	2C
C925	470pF	0660471	2A
C926	470pF	0660471	2A
TR001	2SC968 (YL) or 2SC1211 (D)	0305560 or 0805931	1A
TR901	2SC871R (F)	0305475	2B
TR902		0305475	2B, C
TR903		0305475	2C
TR904		0305475	2C
TR905		0305475	2A
TR906		0305475	2A
TR907		0305475	2A, B
TR908		0305475	2B
D001	SR1FM2	0310870	1C
D002		0310870	1C
D003	S1.5-02	0310960	1C
D004		0310960	1C



POWER BLOCK〈F-1393〉 Stock No. 7500620

W	X		Y
R_{006} R_{008}	18kΩ 22Ω } ±10% ½W SR.		0111183 0111180
C_{007}	1μF	50 V EC.	0515109
C_{008}	470μF	10 V EC.	0511471
C_{009}	100μF	50 V EC.	0515101
TR_{002}	2SC968 (GR) or 2SC1211 (C, D)		0305561 or 0805930, 1
D_{005}	SR1FM2		0310870



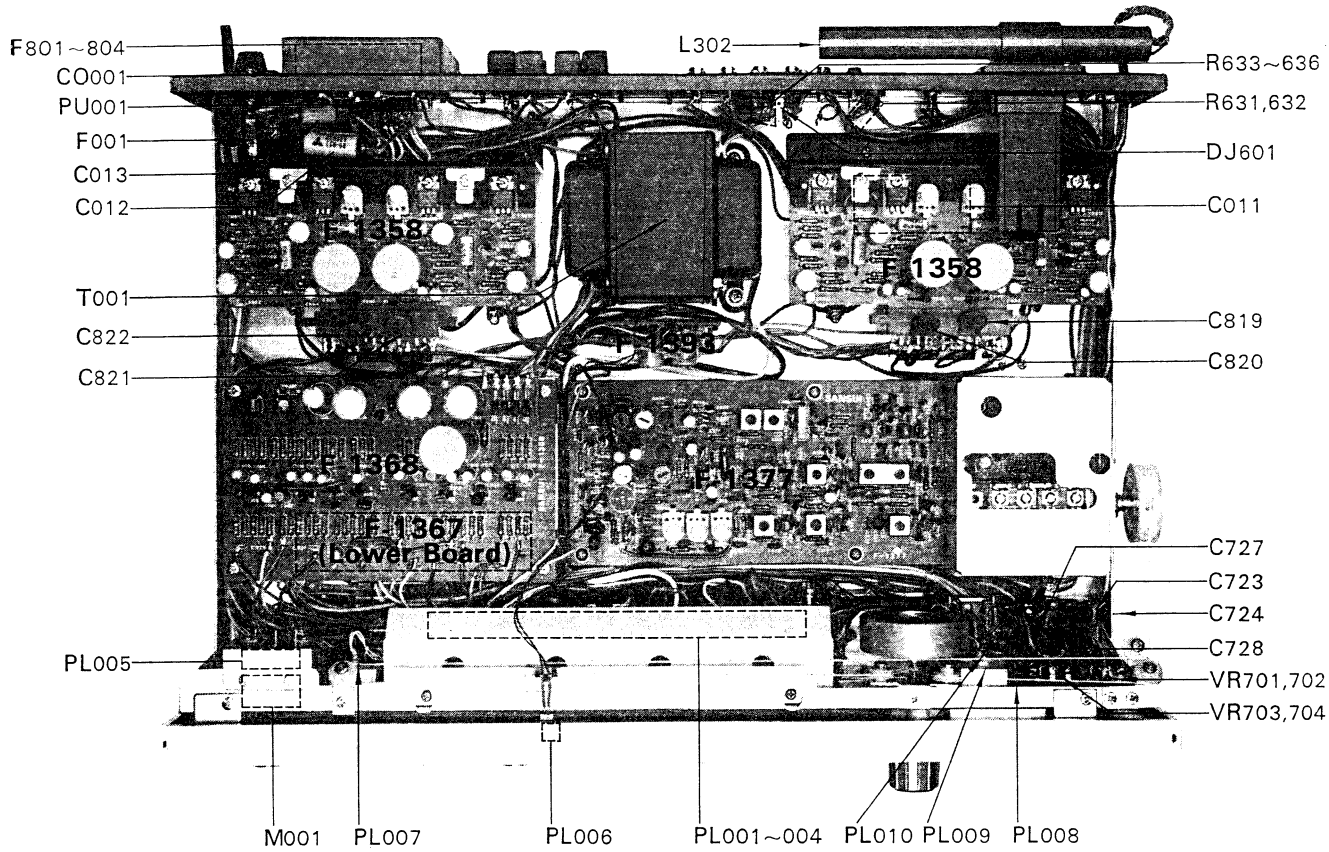
OTHER PARTS AND THEIR POSITION ON CHASSIS

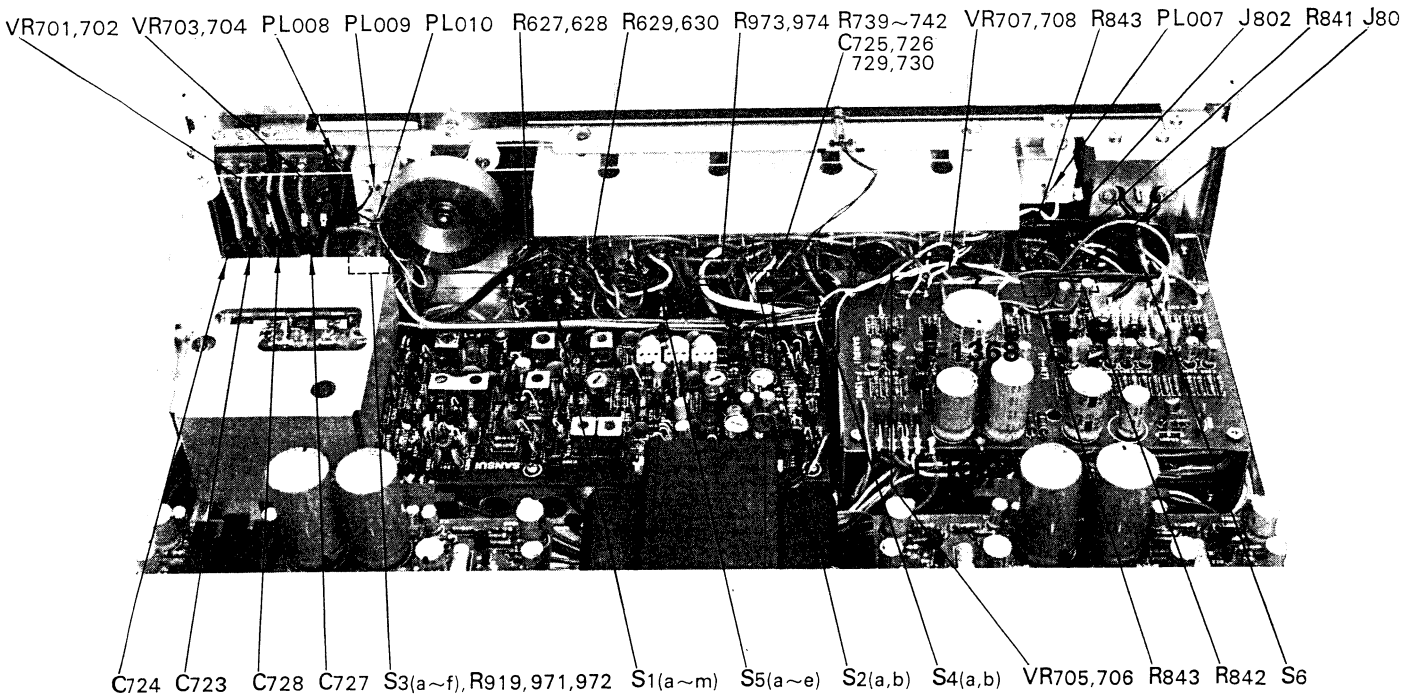
W: Parts No. **X:** Parts Name **Y:** Stock No.

OTHER PARTS

W	X	Y
R627	100kΩ ±10% ¼W CR.	0101104
R628	100kΩ ±10% ¼W CR.	0101104
R629	12kΩ ±10% ¼W CR.	0101123
R630	12kΩ ±10% ¼W CR.	0101123
R631	47kΩ ±10% ¼W CR.	0101473
R632	47kΩ ±10% ¼W CR.	0101473
R633	100kΩ ±10% ¼W CR.	0101104
R634	100kΩ ±10% ¼W CR.	0101104
R635	220kΩ ±10% ¼W CR.	0101224
R636	220kΩ ±10% ¼W CR.	0101224
R739	27kΩ ±10% ¼W CR.	0101273
R740	27kΩ ±10% ¼W CR.	0101273
R741	27kΩ ±10% ¼W CR.	0101273
R742	27kΩ ±10% ¼W CR.	0101273
R841	220Ω ±10% ½W SR.	0111221
R842	220Ω ±10% ½W SR.	0111221
R843	220Ω ±10% ½W SR.	0111221
R844	220Ω ±10% ½W SR.	0111221
R919	47kΩ ±10% ¼W CR.	0101473
R971	47kΩ ±10% ¼W CR.	0101473
R972	47kΩ ±10% ¼W CR.	0101473
R973	8.2kΩ ±10% ¼W CR.	0101822
R974	8.2kΩ ±10% ¼W CR.	0101822
VR701, 702	250kΩ(B)×2 Front Volume Control	1040121
VR703, 704	250kΩ(B)×2 Rear Volume Control	1040121
VR705, 706	100kΩ(B)×2 Treble Control	1010761
VR707, 708	100kΩ(B)×2 Bass Control	1010761
C011	2200μF 50 V EC.	0559306
C012	0.033μF 600V OC.	0591335
C013	0.0047μF 600V OC.	0591476
C723	220pF ±10% 50 V MiC.	0641221
C724	220pF ±10% 50 V MiC.	0641221
C725	0.01μF ±10% 50 V MC.	0601107
C726	0.01μF ±10% 50 V MC.	0601107
C727	220pF ±10% 50 V MiC.	0641221
C728	220pF ±10% 50 V MiC.	0641221
C729	0.01μF ±10% 50 V MC.	0601107
C730	0.01μF ±10% 50 V MC.	0601107
C819	0.033μF +100 −0% 75 V CC.	0651333
C820	0.033μF +100 −0% 75 V CC.	0651333
C821	0.033μF +100 −0% 75 V CC.	0651333
C822	0.033μF +100 −0% 75 V CC.	0651333
D407	ZBI-12	0315061
S1 (a~m)	Selector Switch Y-5-14-5	1105120, 1
S2 (a, b)	Tape Monitor Switch	1130440
S4 (a, b)	Loudness Switch	1130440
S3 (a~f)	Synthesizer/Decoder Switch	1130400
S5 (a~e)	Mode Switch Y-3-5-6	1103410
S6	Power Switch	1190020
T001	Power Transformer	4001060
L302	AM Bar Antenna	4200280
L303	Micro Inductor	4900110

W	X	Y
M001	200μA Tuning Meter	4300260
J801	Headphones Jack (Rear)	2430150
J802	Headphones Jack (Front)	2430150
DJ601	DIN Jack	2430040
PU001	Voltage Selector Plug	2410080
	Voltage Selector Socket	2410090
CO001	AC Outlet	2450040
F001	2A Power Fuse (100, 117V)	0431240
	1.5A Power Fuse (220, 240V)	0431230
F801~804	1.5A Quick Acting Fuse	0433222
PL001~004	6.3V 250mA Dial Scale Lamp	0420020
PL005	6.3V 250mA Tuning Meter Lamp	0420020
PL006	5V 60mA Dial Pointer Lamp	0400101
PL007	6V 100mA FM Stereo Indicator	0400161
PL008	7V 200mA 2-Channel Indicator	0400152
PL009	7V 200mA 4-Channel Indicator	0400151
PL010	7V 200mA Synthesizer Indicator	0400150


F801~804
CO001
PU001
F001
C013
C012
T001
C822
C821
L302
R633~636
R631,632
DJ601
C011
C819
C820
C727
C723
C724
C728
VR701,702
VR703,704
PL005
M001
PL007
PL006
PL001~004
PL010
PL009
PL008
F-1358
F-1358
F-1393
F-1368
F-1377
F-1367
(Lower Board)


VR701,702
VR703,704
PL008
PL009
PL010
R627,628
R629,630
R973,974
R739~742
C725,726
729,730
VR707,708
R843
PL007
J802
R841
J801
C724
C723
C728
C727
S3(a~f), R919,971,972
S1(a~m)
S5(a~e)
S2(a,b)
S4(a,b)
VR705,706
R843
R842
S6
F-1368